

QIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/905,370

DATE: 11/06/2001

TIME: 12:15:46

Input Set : A:\PF0802USSEQLIST.txt  
Output Set: N:\CRF3\11062001\I905370.raw

2 <110> APPLICANT: LAL, Preeti  
3 AZIMZAI, Yalda  
4 TANG, Y. Tom  
5 <120> TITLE OF INVENTION: CYTOCHROME P450 VARIANT  
8 <130> FILE REFERENCE: PF-0802 US  
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/905,370 *74*  
C--> 11 <141> CURRENT FILING DATE: 2001-10-15  
13 <150> PRIOR APPLICATION NUMBER: 60/218,934  
14 <151> PRIOR FILING DATE: 2000-07-14  
16 <160> NUMBER OF SEQ ID NOS: 2  
17 <170> SOFTWARE: PERL Program  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 504  
21 <212> TYPE: PRT  
22 <213> ORGANISM: Homo sapiens  
24 <220> FEATURE:  
25 <221> NAME/KEY: misc\_feature  
26 <223> OTHER INFORMATION: Incyte ID No: 2515666CD1  
28 <400> SEQUENCE: 1  
29 Met Ala Leu Ser Gln Ser Val Pro Phe Ser Ala Thr Glu Leu Leu  
30 1 5 10 15  
31 Leu Ala Ser Ala Ile Phe Cys Leu Val Phe Trp Val Leu Lys Gly  
32 20 25 30  
33 Leu Arg Pro Arg Val Pro Lys Gly Leu Lys Ser Pro Pro Gln Pro  
34 35 40 45  
35 Trp Gly Trp Pro Leu Leu Gly His Val Leu Thr Leu Gly Lys Asn  
36 50 55 60  
37 Pro His Leu Ala Leu Ser Arg Met Ser Gln Arg Tyr Gly Asp Val  
38 65 70 75  
39 Leu Gln Ile Arg Ile Gly Ser Thr Pro Val Leu Val Leu Ser Arg  
40 80 85 90  
41 Leu Asp Thr Ile Arg Gln Ala Leu Val Arg Gln Gly Asp Asp Phe  
42 95 100 105  
43 Lys Gly Arg Pro Asp Leu Tyr Thr Ser Thr Leu Ile Thr Asp Gly  
44 110 115 120  
45 Gln Ser Leu Thr Phe Ser Thr Asp Ser Gly Pro Val Trp Ala Ala  
46 125 130 135  
47 Arg Arg Arg Leu Ala Gln Asn Ala Leu Asn Thr Phe Ser Ile Ala  
48 140 145 150  
49 Ser Asp Pro Ala Ser Ser Ser Cys Tyr Leu Glu Glu His Val  
50 155 160 165  
51 Ser Lys Glu Ala Lys Ala Leu Ile Ser Arg Leu Gln Glu Leu Met  
52 170 175 180  
53 Ala Gly Pro Gly His Phe Asp Pro Tyr Asn Gln Val Val Val Ser  
54 185 190 195  
55 Val Ala Asn Val Ile Gly Ala Met Cys Phe Gly Gln His Phe Pro  
56 200 205 210

## ENTERED

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57 Glu Ser Ser Asp Glu Met Leu Ser Leu Val Lys Asn Thr His Glu  
 58 215 220 225  
 59 Phe Val Glu Thr Ala Ser Ser Gly Asn Pro Leu Asp Phe Phe Pro  
 60 230 235 240  
 61 Ile Leu Arg Tyr Ile Pro Asn Pro Ala Leu Gln Arg Phe Lys Ala  
 62 245 250 255  
 63 Phe Asn Gln Arg Phe Leu Trp Phe Leu Gln Lys Thr Val Gln Glu  
 64 260 265 270  
 65 His Tyr Gln Asp Phe Asp Lys His Ser Lys Lys Gly Pro Arg Ala  
 66 275 280 285  
 67 Ser Gly Asn Leu Ile Pro Gln Glu Lys Ile Val Asn Leu Val Asn  
 68 290 295 300  
 69 Asp Ile Phe Gly Ala Gly Phe Asp Thr Val Thr Thr Ala Ile Ser  
 70 305 310 315  
 71 Trp Ser Leu Met Tyr Leu Val Thr Lys Pro Glu Ile Gln Arg Lys  
 72 320 325 330  
 73 Ile Gln Lys Glu Leu Asp Thr Val Ile Gly Arg Glu Arg Arg Pro  
 74 335 340 345  
 75 Arg Leu Ser Asp Arg Pro Gln Leu Pro Tyr Leu Glu Ala Phe Ile  
 76 350 355 360  
 77 Leu Glu Thr Phe Arg His Ser Ser Phe Leu Pro Phe Thr Ile Pro  
 78 365 370 375  
 79 His Ser Thr Thr Arg Asp Thr Thr Leu Asn Gly Phe Tyr Ile Pro  
 80 380 385 390  
 81 Lys Lys Cys Cys Val Phe Val Asn Gln Trp Gln Val Asn His Asp  
 82 395 400 405  
 83 Pro Glu Leu Trp Glu Asp Pro Ser Glu Phe Arg Pro Glu Arg Phe  
 84 410 415 420  
 85 Leu Thr Ala Asp Gly Thr Ala Ile Asn Lys Pro Leu Ser Glu Lys  
 86 425 430 435  
 87 Met Met Leu Phe Gly Met Gly Lys Arg Arg Cys Ile Gly Glu Val  
 88 440 445 450  
 89 Leu Ala Lys Trp Glu Ile Phe Leu Phe Leu Ala Ile Leu Leu Gln  
 90 455 460 465  
 91 Gln Leu Glu Phe Ser Val Pro Pro Gly Val Lys Val Asp Leu Thr  
 92 470 475 480  
 93 Pro Ile Tyr Gly Leu Thr Met Lys His Ala Arg Cys Glu His Val  
 94 485 490 495  
 95 Gln Ala Arg Leu Arg Phe Ser Ile Asn  
 96 500  
 98 <210> SEQ ID NO: 2  
 99 <211> LENGTH: 1790  
 100 <212> TYPE: DNA  
 101 <213> ORGANISM: Homo sapiens  
 103 <220> FEATURE:  
 104 <221> NAME/KEY: misc\_feature  
 105 <223> OTHER INFORMATION: Incyte ID No: 2515666CB1  
 107 <400> SEQUENCE: 2  
 108 cagccattac aaccctgcca atctcaagca cctgcctcta cagttggtag agatggcatt 60

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109 gtcccagtct gtcccttct cggccacaga gcttctcctg gcctctgcc 120  
110 ggtattctgg gtgtcaagg gtttgaggcc tcgggtcccc aaaggcctga aaagtccacc 180  
111 acagccatgg ggctggccct tgctcgggca tgtgtctgacc ctggggaaaga accccgac 240  
112 ggcactgtca aggatgagcc agcgtctacgg ggacgtctg cagatccgca ttggctccac 300  
113 gcccgtgctg gtgctgagcc gcctggacac catccggcag gcccctggc ggcaggcga 360  
114 cgatttcaag ggcggccctg acctctacac ctccacccctc atcaactgatg gccagagctt 420  
115 gaccttcagc acagactctg gacccgtgtg ggctgcccgc cggcgcctgg cccagaatgc 480  
116 cctcaacacc ttctccatcg cctctgaccc agcttcctca tcctctgtct acctggagga 540  
117 gcatgtgagc aaggaggcta aggccctgtat cagcagggtt caggagctga tggcaggcc 600  
118 tggcacttc gacccttaca atcaggttgt ggtgtcagtgc gccaacgtca ttggtgccat 660  
119 gtgcttggga cagcaattcc ctgagagtagt cgatgagatg ctcagctcg tgaagaacac 720  
120 tcatgagttc gtggagactg cctctcccg gaacccctg gacttcttcc ccattctcg 780  
121 ctacctgcct aaccctgccc tgcagaggtt caaggccttc aaccagaggt tcctgtggtt 840  
122 cctgcagaaa acagtccagg agcactatca ggactttgac aagcacagca agaaggggcc 900  
123 tagagccagc ggcaacctca tccccacagga gaagattgtc aaccttgtca atgacatctt 960  
124 tggagcagga tttgacacag tcaccacagc catctcctgg agcctcatgt accttgtac 1020  
125 caagcctgag atacagagga agatccagaa ggagctggac actgtgattt gcagggagcg 1080  
126 gcccggccgg ctctctgaca gacccctagct gcctacttg gagccttca tcctggagac 1140  
127 cttccgacac tcctccttct tgcccttcaac catccccac agcacaacaa gggacacaac 1200  
128 gctgaatggc ttctacatcc ccaagaaatg ctgtgttcc gtaaaccagt ggcaggtaa 1260  
129 ccatgaccca gagctgtggg aggacccctc tgagttccgg cctgagcggt tcctcaccgc 1320  
130 cgatggcact gccattaaca agcccttgag tgagaagatg atgctgtttt gcatggcaa 1380  
131 gcccgggtgt atcgggaaag tcctggccaa gtgggagatc ttcccttcc tggccatct 1440  
132 gctacagcaa ctggagttca gctgtccggc gggcgtgaaa gtcgacctga ccccccattca 1500  
133 cgggctgacc atgaagcacc cccgtgtga acatgtccag ggcggcgtgc gcttctccat 1560  
134 caactgaaga agacaccacc attctgaggc cagggagcga gtggggggca gccacgggaa 1620  
135 ctcagccctt gtttcttcc ttttttttt ttaaaaaata gcaagtttag ccaagtgcag 1680  
136 ggcctgtaat cccagcattt tgggaggcca agttggagg atcattttag cccaggagtt 1740  
137 gaaagcagc ctggccaaca tagtgggacc ctgtctctac aaaaaaaaaa 1790

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/905,370

DATE: 11/06/2001

TIME: 12:15:47

Input Set : A:\PF0802USSEQLIST.txt

Output Set: N:\CRF3\11062001\I905370.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date